**The Simplest Example**  
import xlwt  
workbook = xlwt.Workbook(encoding = 'ascii')  
worksheet = workbook.add\_sheet('My Worksheet')  
worksheet.write(0, 0, label = 'Row 0, Column 0 Value')  
workbook.save('Excel\_Workbook.xls')

**Formatting the Contents of a Cell**  
import xlwt  
workbook = xlwt.Workbook(encoding = 'ascii')  
worksheet = workbook.add\_sheet('My Worksheet')  
font = xlwt.Font() # Create the Font  
font.name = 'Times New Roman'  
font.bold = True  
font.underline = True  
font.italic = True  
style = xlwt.XFStyle() # Create the Style  
style.font = font # Apply the Font to the Style  
worksheet.write(0, 0, label = 'Unformatted value')  
worksheet.write(1, 0, label = 'Formatted value', style) # Apply the Style to the Cell  
workbook.save('Excel\_Workbook.xls')

**Attributes of the Font Object**  
font.bold = True # May be: True, False  
font.italic = True # May be: True, False  
font.struck\_out = True # May be: True, False  
font.underline = xlwt.Font.UNDERLINE\_SINGLE # May be: UNDERLINE\_NONE, UNDERLINE\_SINGLE, UNDERLINE\_SINGLE\_ACC, UNDERLINE\_DOUBLE, UNDERLINE\_DOUBLE\_ACC  
font.escapement = xlwt.Font.ESCAPEMENT\_SUPERSCRIPT # May be: ESCAPEMENT\_NONE, ESCAPEMENT\_SUPERSCRIPT, ESCAPEMENT\_SUBSCRIPT  
font.family = xlwt.Font.FAMILY\_ROMAN # May be: FAMILY\_NONE, FAMILY\_ROMAN, FAMILY\_SWISS, FAMILY\_MODERN, FAMILY\_SCRIPT, FAMILY\_DECORATIVE  
font.charset = xlwt.Font.CHARSET\_ANSI\_LATIN # May be: CHARSET\_ANSI\_LATIN, CHARSET\_SYS\_DEFAULT, CHARSET\_SYMBOL, CHARSET\_APPLE\_ROMAN, CHARSET\_ANSI\_JAP\_SHIFT\_JIS, CHARSET\_ANSI\_KOR\_HANGUL, CHARSET\_ANSI\_KOR\_JOHAB, CHARSET\_ANSI\_CHINESE\_GBK, CHARSET\_ANSI\_CHINESE\_BIG5, CHARSET\_ANSI\_GREEK, CHARSET\_ANSI\_TURKISH, CHARSET\_ANSI\_VIETNAMESE, CHARSET\_ANSI\_HEBREW, CHARSET\_ANSI\_ARABIC, CHARSET\_ANSI\_BALTIC, CHARSET\_ANSI\_CYRILLIC, CHARSET\_ANSI\_THAI, CHARSET\_ANSI\_LATIN\_II, CHARSET\_OEM\_LATIN\_I  
font.colour\_index = ?  
font.get\_biff\_record = ?  
font.height = 0x00C8 # C8 in Hex (in decimal) = 10 points in height.  
font.name = ?  
font.outline = ?  
font.shadow = ?

**Setting the Width of a Cell**  
import xltw  
workbook = xlwt.Workbook()  
worksheet = workbook.add\_sheet('My Sheet')  
worksheet.write(0, 0, 'My Cell Contents')  
worksheet.col(0).width = 3333 # 3333 = 1" (one inch).  
workbook.save('Excel\_Workbook.xls')

**Entering a Date into a Cell**  
import xlwt  
import datetime  
workbook = xlwt.Workbook()  
worksheet = workbook.add\_sheet('My Sheet')  
style = xlwt.XFStyle()  
style.num\_format\_str = 'M/D/YY' # Other options: D-MMM-YY, D-MMM, MMM-YY, h:mm, h:mm:ss, h:mm, h:mm:ss, M/D/YY h:mm, mm:ss, [h]:mm:ss, mm:ss.0  
worksheet.write(0, 0, datetime.datetime.now(), style)  
workbook.save('Excel\_Workbook.xls')

**Adding a Formula to a Cell**  
import xlwt  
workbook = xlwt.Workbook()  
worksheet = workbook.add\_sheet('My Sheet')  
worksheet.write(0, 0, 5) # Outputs 5  
worksheet.write(0, 1, 2) # Outputs 2  
worksheet.write(1, 0, xlwt.Formula('A1\*B1')) # Should output "10" (A1[5] \* A2[2])  
worksheet.write(1, 1, xlwt.Formula('SUM(A1,B1)')) # Should output "7" (A1[5] + A2[2])  
workbook.save('Excel\_Workbook.xls')

**Adding a Hyperlink to a Cell**  
import xlwt  
workbook = xlwt.Workbook()  
worksheet = workbook.add\_sheet('My Sheet')  
worksheet.write(0, 0, xlwt.Formula('HYPERLINK("http://www.google.com";"Google")')) # Outputs the text "Google" linking to http://www.google.com  
workbook.save('Excel\_Workbook.xls')

**Merging Columns and Rows**  
import xlwt  
workbook = xlwt.Workbook()  
worksheet = workbook.add\_sheet('My Sheet')  
worksheet.write\_merge(0, 0, 0, 3, 'First Merge') # Merges row 0's columns 0 through 3.  
font = xlwt.Font() # Create Font  
font.bold = True # Set font to Bold  
style = xlwt.XFStyle() # Create Style  
style.font = font # Add Bold Font to Style  
worksheet.write\_merge(1, 2, 0, 3, 'Second Merge', style) # Merges row 1 through 2's columns 0 through 3.  
workbook.save('Excel\_Workbook.xls')

**Setting the Alignment for the Contents of a Cell**  
import xlwt  
workbook = xlwt.Workbook()  
worksheet = workbook.add\_sheet('My Sheet')  
alignment = xlwt.Alignment() # Create Alignment  
alignment.horz = xlwt.Alignment.HORZ\_CENTER # May be: HORZ\_GENERAL, HORZ\_LEFT, HORZ\_CENTER, HORZ\_RIGHT, HORZ\_FILLED, HORZ\_JUSTIFIED, HORZ\_CENTER\_ACROSS\_SEL, HORZ\_DISTRIBUTED  
alignment.vert = xlwt.Alignment.VERT\_CENTER # May be: VERT\_TOP, VERT\_CENTER, VERT\_BOTTOM, VERT\_JUSTIFIED, VERT\_DISTRIBUTED  
style = xlwt.XFStyle() # Create Style  
style.alignment = alignment # Add Alignment to Style  
worksheet.write(0, 0, 'Cell Contents', style)  
workbook.save('Excel\_Workbook.xls')

**Adding Borders to a Cell**  
# Please note: While I was able to find these constants within the source code, on my system (using LibreOffice,) I was only presented with a solid line, varying from thin to thick; no dotted or dashed lines.  
import xlwt  
workbook = xlwt.Workbook()  
worksheet = workbook.add\_sheet('My Sheet')  
borders = xlwt.Borders() # Create Borders  
borders.left = xlwt.Borders.DASHED # May be: NO\_LINE, THIN, MEDIUM, DASHED, DOTTED, THICK, DOUBLE, HAIR, MEDIUM\_DASHED, THIN\_DASH\_DOTTED, MEDIUM\_DASH\_DOTTED, THIN\_DASH\_DOT\_DOTTED, MEDIUM\_DASH\_DOT\_DOTTED, SLANTED\_MEDIUM\_DASH\_DOTTED, or 0x00 through 0x0D.  
borders.right = xlwt.Borders.DASHED  
borders.top = xlwt.Borders.DASHED  
borders.bottom = xlwt.Borders.DASHED  
borders.left\_colour = 0x40  
borders.right\_colour = 0x40  
borders.top\_colour = 0x40  
borders.bottom\_colour = 0x40  
style = xlwt.XFStyle() # Create Style  
style.borders = borders # Add Borders to Style  
worksheet.write(0, 0, 'Cell Contents', style)  
workbook.save('Excel\_Workbook.xls')

**Setting the Background Color of a Cell**  
import xlwt  
workbook = xlwt.Workbook()  
worksheet = workbook.add\_sheet('My Sheet')  
pattern = xlwt.Pattern() # Create the Pattern  
pattern.pattern = xlwt.Pattern.SOLID\_PATTERN # May be: NO\_PATTERN, SOLID\_PATTERN, or 0x00 through 0x12  
pattern.pattern\_fore\_colour = 5 # May be: 8 through 63. 0 = Black, 1 = White, 2 = Red, 3 = Green, 4 = Blue, 5 = Yellow, 6 = Magenta, 7 = Cyan, 16 = Maroon, 17 = Dark Green, 18 = Dark Blue, 19 = Dark Yellow , almost brown), 20 = Dark Magenta, 21 = Teal, 22 = Light Gray, 23 = Dark Gray, the list goes on...  
style = xlwt.XFStyle() # Create the Pattern  
style.pattern = pattern # Add Pattern to Style  
worksheet.write(0, 0, 'Cell Contents', style)  
workbook.save('Excel\_Workbook.xls')